



Happy Handles Grocery Bag Carrier

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TOOLS:

- [Drill-bit \(1\)](#)
- [Electric drill \(1\)](#)
- [Hot-glue gun \(1\)](#)
- [Hot-glue sticks \(1\)](#)
- [Level \(1\)](#)
- [Phillips-head bit \(1\)](#)
- [Saw \(1\)](#)
- [Scissors \(1\)](#)
- [Screwdriver \(1\)](#)
- [Tape measure \(1\)](#)

PARTS:

- [6 pack of hooks with screws included \(1\)](#)
- [Treated wood \(1\)](#)
- [Carabiners \(2\)](#)
- [6' adjustable yoga strap \(1\)](#)
- [SmartStraps 15" tarp strap \(1\)](#)
- [Standard jump rope \(1\)](#)
- [Hand towel \(1\)](#)
- [Rubber bands \(4\)](#)

SUMMARY

It is difficult to carry many bags of groceries from the car to an apartment or house in one trip. The handles tear, the bags break, the food gets smashed, it's hard to open doors, and it hurts your hands. Therefore, we made the happy handles to solve these problems.

Step 1 — Happy Handles Grocery Bag Carrier



- Buy all materials listed above. They can be found at a wide variety of places such as Walmart, Target, hardware stores, and craft stores.

Step 2



- Cut the wood to a length of 18". Be sure to wear all proper safety protection when using power tools.

Step 3



- Predrill holes for the hardware. These include:
 - Two holes, about 6 inches apart and about 1 inch from the top of the wood, for the carrying handle.
 - Four holes (or sets of holes, depending on your hardware), about 4 inches apart and about 1 inch from the bottom of the wood, for the bag hooks.

Step 4



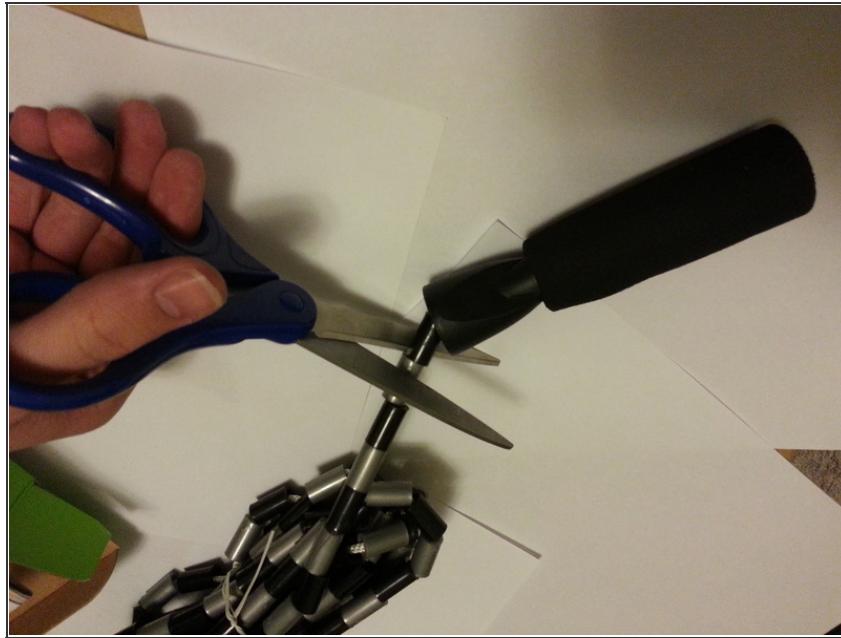
- Using the bottom holes, screw four hooks onto the front face of the wood. These hooks will be used to carry the shopping bags.

Step 5



- Attach the tarp strap to the two holes on the top of the wood. The hooks should fit perfectly and this will provide a sturdy carrying handle.

Step 6



- Cut the handle off of the jump rope for the grip.

Step 7



- Use the hot-glue gun to attach the handle to the edge of the wood. It should be about 3 inches from the front end of the wood.

Step 8



- Fold the towel and attach it to the wood on the side opposite the hooks (the side that will rest against the user's body) with 2 rubber bands.

Step 9



- Screw a hook, upside down, to each end of the wood. This is where the shoulder strap will attach to the wood.

Step 10



- Slide both carabiners onto the yoga strap. Then attach the strap to the hooks on both ends. Adjust the length of the strap as necessary, so the Happy Handles design feels comfortable.

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